



United States Environmental Protection Agency

Region 9 Laboratory

1337 S. 46th Street Building 201

Richmond, CA 94804

Revised

Subject: Analytical Testing Results - Project R04S81

SDG: 04239A

From: Brenda Bettencourt, Director

EPA Region 9 Laboratory

PM ID-2

Report

To: Chris Lichten
Site Cleanup Section 4
SFD-7-4

Attached are the **revised** results from the analysis of samples from the **Omega Chemical OU1 August 2004 Split Sampling** project. These data have been reviewed in accordance with EPA Region 9 Laboratory policy.

A full documentation package for these data, including raw data and sample custody documentation, is on file at the EPA Region 9 Laboratory. If you would like to request additional review and/or validation of the data, please contact Vance Fong at the Region 9 Quality Assurance Office.

If you have any questions, please ask for Richard Bauer, the Lab Project Manager at (510)412-2300.

Analyses included in this report:

1,4-Dioxane



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Region 9 Laboratory

1337 S. 46th Street, Building 201, Richmond, CA 94804
Phone:(510) 412-2300 Fax:(510) 412-2302

Project Manager: Chris Lichens

Project Number: R04S81

Project: Omega Chemical OU1 August 2004 Split
Sampling

Site Cleanup Section 4

**75 Hawthorne Street
San Francisco CA, 94105**

SDG: 04239A

Reported: 10/28/04 11:08

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Collected	Date Received
OC1-OW8B-W-0-24	0408044-01	Water	08/24/04 13:00	08/26/04 10:24
OC1-OW1B-W-5-22	0408048-01	Water	08/27/04 07:30	08/30/04 11:25
OC1-OW1-W-0-23	0408048-02	Water	08/27/04 08:00	08/30/04 11:25

1,4-Dioxane - Surrogate spike recoveries for these samples were outside control limits. Samples were re-analyzed and surrogate spike recoveries were still outside control limits. There was insufficient samples for re-extraction. Results from the the first analysis are reported and flagged accordingly.

This is a revised report. It was revised because the original report omitted results for sample 0408044-01. This report replaces report 0408048 FINAL 10 06 04 1621.



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Sample Results

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Lab ID: 0408044-01						Water - Sampled: 08/24/04 13:00		
Sample ID: OC1-OW8B-W-0-24						Semivolatile Organic Compounds by EPA Method 8270C		
1,4-Dioxane	ND	U	1.0	ug/L	B4H0082	08/30/04	08/31/04	8270C/SOP315
Surrogate: 1,4-Dioxane-d8	2.67		56 %		50-130%	"	"	"
Lab ID: 0408048-01						Water - Sampled: 08/27/04 07:30		
Sample ID: OC1-OW1B-W-5-22						Semivolatile Organic Compounds by EPA Method 8270C		
1,4-Dioxane	24	Q7, J, Q1	1.1	ug/L	B4H0087	08/31/04	09/01/04	8270C/SOP315
Surrogate: 1,4-Dioxane-d8	2.46		46 %		50-130%	"	"	"
Lab ID: 0408048-02						Water - Sampled: 08/27/04 08:00		
Sample ID: OC1-OW1-W-0-23						Semivolatile Organic Compounds by EPA Method 8270C		
Surrogate: 1,4-Dioxane-d8	0.802		16 %		50-130%	B4H0087	08/31/04 09/01/04	
Lab ID: 0408048-02RE1						Water - Sampled: 08/27/04 08:00		
Sample ID: OC1-OW1-W-0-23						Semivolatile Organic Compounds by EPA Method 8270C		
1,4-Dioxane	5900	A-01, J	100	ug/L	B4H0087	08/31/04	09/02/04	8270C/SOP315



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R9

Quality Control

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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Prepared: 08/30/04 Analyzed: 08/31/04

Semivolatiles Organic Compounds by EPA Method 8270C - Quality Control

Batch B4H0082 - 3520B CLLE - 1,4-

Dioxane

Blank (B4H0082-BLK1)

1,4-Dioxane	ND	U	1.0	ug/L						
Surrogate: 1,4-Dioxane-d8	3.25			"	4.93		66	50-130		

LCS (B4H0082-BS1)

1,4-Dioxane	10		1.0	ug/L	9.81		102	50-130		
Surrogate: 1,4-Dioxane-d8	3.21			"	4.91		65	50-130		

Prepared: 08/31/04 Analyzed: 09/01/04

Semivolatiles Organic Compounds by EPA Method 8270C - Quality Control

Batch B4H0087 - 3520B CLLE - 1,4-

Dioxane

Blank (B4H0087-BLK1)

1,4-Dioxane	ND	U	1.0	ug/L						
Surrogate: 1,4-Dioxane-d8	3.27			"	4.89		67	50-130		

LCS (B4H0087-BS1)

1,4-Dioxane	10		1.0	ug/L	9.80		102	50-130		
Surrogate: 1,4-Dioxane-d8	3.23			"	4.90		66	50-130		

Matrix Spike (B4H0087-MS1) Source: 0408048-01

1,4-Dioxane	49	J, Q1, Q7	1.9	ug/L	19.3	24	130	50-130		
Surrogate: 1,4-Dioxane-d8	4.38			"	9.63		45	50-130		

Matrix Spike Dup (B4H0087-MSD1) Source: 0408048-01

1,4-Dioxane	44		2.0	ug/L	19.5	24	103	50-130	11	30
Surrogate: 1,4-Dioxane-d8	5.21			"	9.77		53	50-130		



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Qualifiers and Comments

Q7	Surrogate spike recoveries for this sample were outside control limits.
Q1	The internal standard associated with this analyte did not meet area count criteria.
J	The reported result for this analyte should be considered an estimated value.
A-01	Surrogate spike recoveries for this sample were outside control limits. Surrogate recoveries are reported from the undiluted run because surrogate recoveries from the diluted run are not meaningful.
U	Not Detected
NR	Not Reported